

In the Claims

{ Please amend the claims as follows: }

A2

8. (Amended) A peripheral device for use with a computer system comprising:
a housing adapted to fit within a user's palm and slide over a medium;
an optical sensor having plural sensing elements and producing image signals;
a lens for imaging the medium onto the sensor;
circuitry coupled to the sensor and disposed within the housing for processing the
signals from the sensor and producing corresponding output data; and
transfer means for relaying the output data from the peripheral device to the
computer system;
wherein said sensor is useful in acquiring optically-encoded multi-bit information
from said medium for use by said computer system, and said circuitry is integrated on a
common substrate with said sensing elements.

REMARKS

After entry of the foregoing amendment, claims 1-11 remain pending in the application.

Claim 8 – which was indicated as objected-to – has been rewritten in independent form.

The drawing requirement is noted, and a proposed sheet of drawings is submitted herewith. The specification has been amended to refer to the drawings.

The rejection of the claims on enablement grounds is respectfully traversed. The Action seems not to have considered the disclosures that were incorporated by reference into the present specification, i.e., applications 09/343,104, 09/292,569, and patent 5,841,886.

The Examiner's attention is drawn to copending application 09/343,101 (Ex'r Lesperance) which includes claims drawn to related subject matter, e.g:

6. A method of using an optical mouse, the mouse including an optical sensor with several elements, and circuitry coupled thereto for producing grey scale image data, the method comprising:

positioning the mouse over a substrate, the substrate having user-perceptible printing thereon, said printing having plural-bit auxiliary data steganographically encoded therein;
capturing image data corresponding to said printing; and
from said image data, decoding the plural-bit auxiliary data steganographically encoded in said printing.

Likewise, copending application 09/543,125 (Ex'r Hess) includes claims such as:

3. In a scanner including a CPU, a memory, a linear sensor array, and first and second spaced-apart 2D sensor arrays serving as motion encoders, the CPU serving to process raw scan data collected by the linear sensor array from an imaged object into final scan data in accordance with scanner motion data provided from said 2D sensors, an improvement comprising software instructions in the memory causing the scanner to discern a machine-readable identifier from scan data acquired from the object, wherein said software instructions cause the CPU to process data from the 2D sensor arrays for a purpose in addition to sensing scanner motion.

Likewise, copending application 09/679,262 includes claims such as:

1. An electronic commerce method comprising:
providing a printed catalog that includes an image of an article offered for sale by a merchant, wherein the image is steganographically encoded with plural-bit binary data;
optically sensing the image to produce image data corresponding thereto;
decoding the steganographically encoded data from the image data; and
electronically ordering the article from the merchant by use of said decoded data, wherein said ordering makes use of earlier-stored customer profile information.

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Respectfully submitted,

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Version with Markings to Show Changes Made**In the Claims**

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computer system;
wherein said sensor is useful in acquiring optically-encoded multi-bit information
from said medium for use by said computer system, **and said circuitry is integrated on
a common substrate with said sensing elements.**